

Receiving Report

Date: 16-10-25

Batch No: 135951

Supplier: WB PARTS

Dart P/O: 33962

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☒
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date

Received/Costing

Initial

Location



MS\Purchasing\approved purch\RECREPORT

Rev F



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO33962

Purchase Order Date 10/18/2016

PO Print Date 10/18/2016

Page Number 1 of 2

Order From :
ROYAL BANK VISA
XXX
XX, X

VU-ROY001

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED

OCT 18 2016

Contact Name

Vendor Phone

Ship To Contact

Ship To Phone

Ship Via:

FedEx Overnight collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

COD

Currency

USD

FOB

EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	CB2000CRA3-28 ALT P/N: A366A3E30C	Stud	10/25/2016 Yes 10/25/2016	FN	30.00 Each	\$32.73	\$981.90
Line Total:							\$981.90
2	71401-45 Procurement Quality Clauses A005 RIGHT OF ENTRY A012 CHEMICAL AND PHYSICAL TEST REPORTS A016 PERSONNEL QUALIFICATION A026 CERTIFICATION OF MATERIAL CONFORMANCE A032 PUBLIC LAW 101-592 FASTENER QUALITY ACT A040 NOTIFICATION OF QUALITY ESCAPE A041 QUALITY MANAGEMENT SYSTEM A043 RETENTION OF QUALITY DOCUMENT	PROCUREMENT QUALITY CLAUSES	10/25/2016 No 10/25/2016		1.00	\$0.00	\$0.00

Spl/6-10-25

PO Instructions: WB PARTS

Note:

10/18/2016



2300 Commerce Park Drive, Unit 15
Palm Bay, FL 32905
Ph: 321-473-6075
Fx: 321-722-4763



PACKING SLIP

Invoice Date: 10/24/2016 INVOICE #33700

Billing Address Dart Aerospace 1270 ABERDEEN ST HAWKS BURY, ONTARIO, K6A 1K7 Canada	Contact Information Linda Lacelle - Other EMAIL: llacelle@dartaero.com Tel: 613 632 9577 FAX: 613-632-1053	Customer PO #: PO33962 Dart Aerospace Dart Aerospace 1270 ABERDEEN ST HAWKS BURY, ONTARIO, K6A 1K7 Canada Phone: 613-632-9577
Terms	CREDIT CARD	Customer Instructions
Sales Rep	Sam Williams	
Customer Ship ID	15179324-0	
Sales Order #	32267	

Line	Part # (Mfg)	RoHS	Pb F	D/C	Qty
Description					Scheduled Ship Date
Supplier P/N					
Media					
1	A366A3E30C (...)	U	U		30
FACT. NEW / STUD / PN:A366A3E30C / CERT PROVIDED: FULL CERTS / EST 2-3 DAYS					
SHIPPING ARO					
A366A3E30C					

SP16-10-25 powered by:
CORTracker.com

PART OR MATERIAL CERTIFICATION FORM						ATA SPECIFICATION 106	
2. Seller's Name: <div style="text-align: center; font-weight: bold;">WBParts, Inc.</div>						3. Reference # <div style="text-align: center;">37607</div>	
4. Organization: <div style="text-align: center;">WBParts, Inc. 2300 Commerce Park Drive Unit 15 Palm Bay, FL 32905</div>					Phone: 321-473-6075 Fax:		
5A. Sellers Contract #: <div style="text-align: center;">32267</div>					5B. Buyer's PO # (contract): <div style="text-align: center;">PO33962</div>		
6. Item	7. Description	8. Manufacturer & Part Number	9. App Code	10. Qty	11. Serial/Batch #	12. Status	
0001	STUD, COMPOSITE BASE	A366A3E30C CLICK BOND(66530)		30	LOT# 20149141-01-01B	FACTORY NEW	
13A. Remarks: The above referenced component(s) are in accordance with applicable manufacturer and/or customer specifications based on the records provided by the supplier and available for review on request. Any accompanying product certifications represent either Original documents or Certified Copies thereof. Has not been subjected to conditions of extreme stress, heat or environment. The items(s) listed were not obtained from a Government / Military source. All trace is kept on file at WBParts Inc. and is available upon request.							
13B. Obtained From:				13C. Last Certificated Agency: <div style="text-align: center;">NA</div>			
14. New Parts/Material Verification: THE THE FOLLOWING SIGNATURE ATTESTS THAT THE PART(S) AND MATERIAL(S) IDENTIFIED ABOVE ARE FACTORY NEW AND ARE ACCOMPANIED WITH CERTIFICATES AND DOCUMENTATION PROVIDED BY SUPPLIER AND IS ACCURATE WITH REGARD TO THE ITEMS(S) DESCRIBED.				18. New Surplus, Used, Repaired or Overhaul Parts Verification: THE FOLLOWING SIGNATURE ATTESTS THAT THE DOCUMENTATION SPECIFIED ABOVE AND THE ATTACHED IS ACCURATE WITH REGARD TO THE ITEM(S) DESCRIBED.			
15. Signature: <div style="text-align: center; font-family: cursive; font-size: 1.2em;">Kathy Boyd</div>				19. Signature: <div style="text-align: center; font-size: 2em;">/</div>			
16. Name: <div style="text-align: center;">Kathy Boyd , Senior Commercial Quality Inspector</div>		17. Date: <div style="text-align: center;">Oct-24-2016</div>		16. Name:		17. Date:	

Notice: The seller makes no independent representation that the part is airworthy, or that it is acceptable for installation. These determinations are to be made by installer based upon an inspection of the part and of the documentation that has been forwarded by the seller in accordance with FAA Advisory Circular 00-56.

Limit of Liability: WBPARTS, INC. NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON(S) TO ASSUME FOR THE COMPANY ANY LIABILITY IN CONNECTION WITH THE SALE OF THIS MATERIAL.



P.O. Box 025263, Miami, FL 33102-5263 • Tel: 305.925.2600 • Fax: 305.507.7191
Plant Location: 10000 N.W. 15th Terrace, Miami, FL 33172 • SITA: MIAMMCR
www.KLXaerospace.com

Shipped From: 9835 NW 14TH ST, MIAMI, FL 33172


Material Certification

The items set forth on the purchase order referred to below have been visually inspected and the dimensions thereof have been measured by us, and based on the aforesaid, as well as the representation made to us by the manufacturers of the items subject of such purchase order, we hereby certify that such items are in conformity with all current governmental and manufacturer's requirements, specifications, drawings, and conform to the purchase order requirements. Said items are in new condition and have not been obtained from any U.S. Government or Military source and are traceable to KLX Aerospace Solutions.

FIRM: WB PARTS AIRCRAFT PARTS

PURCHASE ORDER#: 37607

LNE#	QUANTITY	U/M	PART-NUMBER	CUST REF#	LOT-NUMBER	MANUFACTURER	CCODE REV	MFR DTE	EXP DATE
001	30	EA	A366A3E30C		20149141-01-01B	CLICK BOND	66530 F	05/27/14	



Jason Lewis
Senior Director, Global Quality

10/21/16



SO:AHRK52

Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXAerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

PickTkt NUMBER

AHRK52.101

PAGE 1 OF 2

SOLD TO: 019935*** SHIP-TO DIFFERENT FROM BUYER NORMAL *** SHIP TO:

WB PARTS AIRCRAFT PARTS
2300 COMMERCE PARK DR
UNIT 15
PALM BAY, FL 32905-2621

WB PARTS AIRCRAFT PARTS
2300 COMMERCE PARK DR
UNIT 15
PALM BAY, FL 32905-2621

ORDER NO. 37607		DATE 10/18/16	SHIP VIA UPS GRD COLL		TERMS NET 30	SHIPPING TERMS FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
001	30	A366A3E30C STUD ECCN :EAR99 TARIFF :3926.90.9995 SCHEDULE B :3926.90.9987 MFR: CLICK BOND CTRL# : 2016A24126 P*900XMfrdte: 05/27/14 LOT# : 20149141-01-01B LOT QTY: 30 Country of Origin: USA REV# : F These items are controlled by U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred or otherwise disposed of, to any other country or to any other person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.			EA	0	30	
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.								

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

SHIPPED FROM: 9835 NW 14TH ST, MIAMI, FL 33172

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXAerospace.com/conditions-sale/>

Vice President of Quality



SO: AHRK52

Tel: +1.305.925.2600 • Fax: +1.305.507.7191 • www.KLXAerospace.com
Remit to Address: 88289 Expedite Way, Chicago, IL 60695-0001
Wire Instructions: KLX Inc. • JPMorgan Chase Bank New York
ABA: 021000021 • Account: 304639273 • SWIFT: CHASUS33 • CHIP UID: 0002

PickTkt NUMBER

AHRK52.101

PAGE 2 OF 2

SOLD TO: 019935*** SHIP-TO DIFFERENT THAN NORMAL *** SHIP TO:

WB PARTS AIRCRAFT PARTS
2300 COMMERCE PARK DR
UNIT 15
PALM BAY, FL 32905-2621

WB PARTS AIRCRAFT PARTS
2300 COMMERCE PARK DR
UNIT 15
PALM BAY, FL 32905-2621

ORDER NO. 37607		DATE 10/18/16	SHIP VIA UPS GRD COLL	TERMS NET 30		SHIPPING TERMS FOB-MIAMI		
ITEM NO.	QUANTITY ORDERED	PART NUMBER AND DESCRIPTION		PRICE	UNIT	BACK ORDER	SHIPPED	AMOUNT
		Ultimate Destination WB PARTS AIRCRAFT PARTS 2300 COMMERCE PARK DR UNIT 15 PALM BAY FL 32905-2621 USA						
MATERIAL TO BE RETURNED MUST HAVE PRIOR AUTHORIZATION BY KLX INC.								

ALL ITEMS ARE SUBJECT TO A 100% RESTOCKING CHARGE.

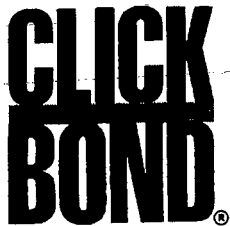
SHIPPED FROM: 9835 NW 14TH ST, MIAMI, FL 33172

MATERIAL CERTIFICATION: KLX INC. ("KLX AEROSPACE SOLUTIONS") WARRANTS THAT THE ITEMS SUBJECT OF THIS INVOICE WILL BE FREE FROM DEFECTS OF MATERIAL AND WORKMANSHIP AND, AS SET FORTH ON THE MATERIAL CERTIFICATION FORM ACCOMPANYING THE ITEMS SUBJECT OF THIS INVOICE, ARE IN CONFORMITY WITH ALL CURRENT GOVERNMENTAL REQUIREMENTS AND THE SPECIFICATIONS OF THE RESPECTIVE MANUFACTURERS. KLX AEROSPACE SOLUTIONS DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ALL WARRANTIES OF MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE. THE LIABILITY OF KLX AEROSPACE SOLUTIONS IS EXPRESSLY LIMITED EXCLUSIVELY TO REPLACEMENT BECAUSE OF A DEFECT IN MATERIAL OR WORKMANSHIP SUCH REPLACEMENT SHALL OF ANY ITEM WHICH IS REJECTED CONSTITUTE SATISFACTION OF ALL LIABILITY KLX AEROSPACE SOLUTIONS MAY HAVE IN CONNECTION WITH SUCH ITEM, WHETHER LIABILITY IS BASED UPON CONTRACT RIGHTS, NEGLIGENCE, OR OTHERWISE, AND IN NO EVENT SHALL KLX AEROSPACE SOLUTIONS BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES. FURTHER, KLX AEROSPACE SOLUTIONS MUST BE NOTIFIED OF A REJECTION OF AN ITEM WITHIN 30 DAYS AFTER RECEIPT BY THE CUSTOMER.

PACKING SLIP

Vice President of Quality

BY RECEIVING DELIVERY OF THE ITEMS COVERED BY THIS INVOICE, BUYER AGREES TO THE TERMS AND CONDITIONS OF SALE AT:
<http://www.KLXAerospace.com/conditions-sale/>



CLICK BOND INC.
2151 LOCKHEED WAY
CARSON CITY, NV 89706-0713
PHONE: (775)885-8000
FAX: (775)883-0191

CERTIFICATION OF CONFORMANCE

Customer: KLX INC

Customer PO: 000ZZ22

Customer P/N: A366A3E30C

Quantity: 495

Customer Rev Number: F

Lot Number: 20149141-01-01B

Click Bond P/N: CB4000E3CR30

MFG Lot: 50202253

Click Bond Rev Number: 21

Click Bond
Cage Code: 66530

As the authorized representative of Click Bond, Inc. the undersigned, warrants and represents: the product identified on this Certificate of Conformance has been manufactured, inspected and unless otherwise noted, conforms in all respects to the applicable customer purchase order, drawings, specifications and standards. The information appearing herein is true and accurate. This certificate may be used to induce payment with the knowledge the information and certification may be used as a basis for such payment.

If no customer specific Quality Requirement is stipulated in your purchase order, goods produced are inspected to Click Bond's Registered Quality and Environmental Management Systems. The systems and procedures conform to the requirements of AS9100, ISO 9001, ISO 14001 and ISO 10012.

Click Bond, Inc. certifies these goods were not manufactured with and do not contain asbestos, ozone depleting substances, mercury, pure tin, pure zinc, cadmium, or radioactive material. This material is RoHS2 and REACH compliant. Complete reports of physical and chemical tests and composition are on file for customer examination.

Products represented by this certificate of conformance were manufactured in the United States of America and comply with the requirements of DFARS 252.225-7009 with Alternate 1.

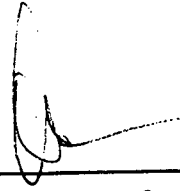
Where applicable, Click Bond warrants the performance of the fixtures for 10 years from the date of certification.

"The first eight digits of the 'Lot Number' are the same as 'Our Order No.' on the packing list."

Our Agusta Westland approval number is A/985 dated February 9, 1999. The Click Bond Quality System was recognized as meeting the requirements for class B. In accordance with "Agusta Suppliers Quality Manual" Requirements.

1/20/2016

Date of Certification


Victoria Negrete - Quality Control

PACKING SLIP

1/21/2016

CLICK BOND INC.
2151 LOCKHEED WAY
CARSON CITY, NV 89706-0713
CAGE CODE 66530

CLICK BOND**Bill To:**

KLX INC
** E-MAIL INVOICE TO **
KLX.Payables@klx.com
SUPPLIER # V0820
MIAMI, FL 33102-5263
USA

Ship To:

KLX INC
9835 NW 14TH STREET

MIAMI, FL 33172
USA

Your P.O.	Shipped Via	Terms	Ordered By	Our Order No.
000ZZ22	FEDEX GRND COLL	NET 45	BRUCE FRALEY	20149141

ITEM	ORDER QUANTITY	TOTAL SHIPPED	UNIT MEASURE	PART NUMBER
01	500.0000	500.0000	EA	CB4000E3CR30 STUD, COMPOSITE BASE A366A3E30C
01	1.0000	1.0000	EA	PHYS/CHEM



CHEMICAL AND PHYSICAL CERTIFICATION

Customer:	KLX INC	Work Order #:	50202253
Click Bond Part #:	CB4000E3CR30	Clickbond Rev #:	21
Customer Part #:	A366A3E30C	Customer Part Rev #:	F
Customer P.O. #:	000ZZ22	Quantity:	495
Click Bond S.O. #	20149141-01-01B		

QUALITY ASSURANCE DEPARTMENT

All components of the ordered Click Bond part number for this customer purchase order are manufactured from material/processes furnished on the attached certifications.

NOMENCLATURE: PARTS / MATERIALS AND/OR PROCESSES

TRIM WASHER SIZE 3 (TRIM WASHER SIZE 3)
FIBERGLASS/EPOXY 350 60" (FIBERGLASS/EPOXY 350 60")
STUD EXT. THD. INTEGRAL BASE (STUD EXT. THD. INTEGRAL BA
PASSIVATE (STUD EXT. THD. INTEGRAL BASE)

CLICK BOND P.O.

70050115A
70052484
70045987
SEE NOTES

QA Documents

T and T (WO #: 50199637)

QA44166

QA Representative:

Victoria Negrete

Digitally signed by Victoria Negrete-Mendoza
DN: cn=Victoria Negrete-Mendoza,
o=Clickbond Inc., ou=QA,
email=vmendoza@clickbond.com, c=US
Date: 2016.01.21 09:02:09 -08'00'

Date of Certification: 21-Jan-2016

No. of pages in this package: 43 pages (incl. this page.)

Special Note(s): Passivation process performed in house by Click Bond per AMS 2700.

Click Bond, Inc.

A Subsidiary of Physical Systems, Inc., 2151 Lockheed Way, Carson City, Nevada 89706-0713
PHONE (775) 885-8000 FAX (775) 883-0191

**MOELLER MFG. & SUPPLY, INC.**

805 EAST CERRITOS • ANAHEIM, CA 92805

(714) 999-5551 • FAX (714) 999-5970

<http://www.moellermfg.com>

cage code: 58009

SHIPPER NO. : 64837

**CERTIFICATION
PACKING LIST**S
O
L
D
T
O

CLICK BOND, INC.

2151 LOCKHEED WAY

CARSON CITY NV 89706

Customer #: CLICK BOND

S
H
I
P
T
O

CLICK BOND, INC.

2180 LOCKHEED WAY

CARSON CITY NV 89706

P.O. #: 70050115

DATE ORDER REC'D.	ORDER NO.	COMMENTS		SHIPPED VIA	TERMS	DUE
5/9/2014	70050115			UPS COLLEC	1%-10/N-30	11/26/2014
ITEM	ORDERED	SCHEDULED	SHIPPED	PART NUMBER/DESCRIPTION		NET WT.
01	200,000	50,000	50,000	CB11131CR3 REV. 4 LOT 15995- <u>5/12/14</u> FULL CERTS DFAR 252.225-7009 SCHEDULED DELIVERY CLICK BOND, INC. NOV 15 2014 RECEIVED BY O.A. CB28 MATERIAL & CERTS OK CLICK BOND, INC. Q.A. DEPARTMENT This certification has been reviewed and accepted: Date: <u>11-17-14</u> Purchase Order No. <u>70050115A</u> Q.A. Rep: <u>1</u>		757 {S} 50,000 27.70

MANUFACTURED IN THE U.S.A.

MOELLER MFG. & SUPPLY, INC. - PACKING LIST & CERTIFICATION

WE CERTIFY THAT THE MATERIAL ON THIS ORDER CONFORMS IN ALL RESPECTS TO THE CURRENT APPLICABLE GOVERNMENT AND/OR MANUFACTURER'S SPECIFICATIONS.

1. ALL ITEMS ABOVE ARE MANUFACTURED IN ACCORDANCE WITH THE MATERIAL AND PROCESSING SPECIFICATIONS OF THIS ORDER. WE ALSO CERTIFY THAT THESE PARTS HAVE NOT COME IN CONTACT WITH MERCURY WHILE IN OUR POSSESSION.
2. THE GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARD ACTS OF 1938, AS AMENDED. ALL CLAIMS FOR ERRORS OR SHORTAGES MUST BE MADE WITHIN 10 DAYS AFTER RECEIPT OF GOODS. NO GOODS TO BE RETURNED WITHOUT WRITTEN AUTHORIZATION. ALL CLAIMS FOR DEFECTIVE MATERIAL MUST BE FILED WITHIN 30 DAYS OF SHIPMENT TO RECEIVE CONSIDERATION. WE DO NOT ASSUME FINANCIAL RESPONSIBILITY FOR LIABILITY FROM THE USE OF PRODUCTS SOLD, OTHER THAN REPLACEMENT VALUE OF THE PRODUCTS SOLD, IF CLAIMED WITHIN THE SPECIFIED TIME LIMIT ABOVE.
3. PARTS ARE TO BE CONSIDERED ITAR EXEMPT OR DUAL PURPOSE UNLESS OTHERWISE STATED.

BY

DARIN MOELLER, QUALITY

RECEIVED IN
GOOD CONDITION BY
DATE

PACKED BY

BAGS

CARTONS

GROSS WT.



Element Materials Technology
18100 S Wilmington Avenue
Rancho Dominguez, CA
90220-5909 USA

P 310 632 8500
F 310 632 4700
T 888 786 7555
info.rd@element.com
element.com

Contact:
Moeller Mfg & Supply, Inc.
805 E. Cerritos Ave.
ANAHEIM, CA 92805

TEST CERTIFICATE - EAR-CONTROLLED DATA

Date: 6/19/2014
Purchase Order Number: 121909
Work Order Number: MOE008-06-17-71936

Item No.	Part Number	Job Number	Material
1	CB11131CR3 REV. 4	15995	304 Corrosion Resistant Steel
Description:	Thickness: 0.01600		
	91 LBS		

NONDESTRUCTIVE TESTING

Item No.	Quantity	Method	Quantity Inspected	Quantity Conformed	Quantity Rejected	Date	Insp. Stamp No.
1	165,000	Passivation	165,000	165,000	0	6/19/2014	JG

Passivate per AMS2700 Rev. E Method I Type 6 Class 1
EP-008 Rev. I

Services on this order shall be provided in accordance with the Element Materials Technology Quality System Manual Rev. F (Dated 2/10/14) and Written Practice TCI 2.0 2nd Edition Rev. D (Dated 3/6/13).

This document contains technical data whose export and re-export/retransfer is subject to control by the U.S. Department of Commerce under the Export Administration Act and the Export Administration Regulations. The Department of Commerce's prior written approval may be required for the export or re-export/retransfer of such technical data to any foreign person, foreign entity or foreign organization whether in the United States or abroad.



Respectfully Submitted



NDT
Chem Process

Idalia Rodriguez
Idalia Rodriguez
Quality Administrator #15

The information contained in this certification represents only the material submitted and is certified only for the quantities tested. Reproduction except in full is reserved pending written approval. All testing was performed in a mercury-free environment. Form 203F1-4
Customer Quality Clauses Apply as Specified.

CLICK BOND.

P.O. 70050115
P.N. CB11131CR3
REV. 4 LOT # 15995
MOELLER MFG. & SUPPLY, INC.
805 E. CERRITOS
ANAHEIM, CA 92805

5/12/14

CLICK BOND, INC. & AFFILIATES
This certification has been reviewed and accepted:
Date: 11-17-14
Purchase Order No. 70050115A
Q.A. Rep: (CB15)
Page 2 OF 6

UNITED PERFORMANCE METALS
 Authorized Signatory
 Lynne Harber

UNITED PERFORMANCE METALS
 This is to certify that in accordance with the record in
 our files the material shipped on your purchase order
 conforms to the following:

Size: 2.25 X COR.
 P.O.: 117184
 Part: 5446 8-01212732
 Quantity: 3

Customer: 304007 ANA-014-016 J3
 Customer: MOELLER MFG.
 Shipdate: 06/17/13
 Part: 00137

NOTICE OF SHIPMENT/
 PACKING LIST



CERTIFICATE OF TEST

AL 6168-4 1211

CUST. ORD. NO. & DATE	CUST. CODE	ACCEPTING MILL	SHIPPER NO.	PRODUCT CODE	MILL ORDER NUMBER	DATE SHIPPED
01022713	05/16/13 110977	VANDERGRIFF, PA.	584587	13020102060000	30-053-390	06/28/13
FORMS DISTRIBUTION	REPEAT ORDER	DO RATE	GOVT CONTRACT	MATL	SHIPPING LOCATION	INVOICE
SOLD TO	82037-8	26		1124 VANDERGRIFF	PA	651762
1	PRIME SEC.			SHIP TO		
1	DSO DSO			UNITED PERFORMANCE METALS		
1	516			3475 SYMMES ROAD		
				HAMILTON OH 45015		

GRADE AND SPECIFICATIONS
 "ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE (UPM 304L/304/302 LCS) (AMS 5511H) (AMS 5513J) (AMS 5516P) (ASTM-A-262-10 PRA E/SCREEN PRA A) (ASTM-A-666-10) (S-400 DTD 10/10/2011) (ASTM-A-240-12A) (S-1000 DATED 11/01/2012) (ASME-SA-240 ED 2010) (10/11/10 EXCEPT UPM 304L/304/302) (UNS S30403) (UNS S30200) (UNS S30400) (UPM-QRS-001 ISS 1 REV A) (EN 10028-7:2007-1.4301-2B) (EN 10028-7:2007-1.4307-2B) (PWA 300 REV BK) (F-14, F-17, F-22, F-23, F-MASTER) (CONTROLLED TO PWA LCS REQUIREMENTS) (DUAL CERTS LCS/NON-LCS)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	COIL #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	48./0157/7762.	981131	05313N128	8807101	20185	50	20135		249695		
	1	48./0157/7782.	981131	05313N285	8807101	20320	50	20270		249696		
C CUST IDENTITY 00669						40505	100	40405				
2 SKIDS												

TYPE HEAT/TEST	--C--	--MN--	--P--	--S--	--SI--	--CR--	--NI--	--MO--	--CU--	--N--
HEAT 981131	.012	1.72	.034	.001	.43	18.06	8.06	.45	.45	.07
TEST LOCATION	MI	MI	MI	MI	MI	MI	MI	MI	MI	MI
CHECK 8806485	.014	1.73	.034	.002	.42	18.16	8.04	.45	.46	.07
TEST LOCATION	TC	TC	TC	TC	TC	TC	TC	TC	TC	TC

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	ISO 3651-2	SIZE	HARDENABILITY
001 8807101	T 40600.	92500.	48.	NR	84.HR15TW	T PASS	PASS	9.	NR
TEST LOCATION	TC	TC	TC		82.HR15TW	TC	TC	TC	

* Y.S. BY 0.2% OFFSET METHOD

PAGE 01 - CONTINUED ON PAGE 02

06/28/13 07:00:22

CONTAINER: Please Note: This container was loaded over to center in first class condition, being properly loaded, at which time the responsibility for loss or damage is assumed. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on receipt before signing.

WARNING: Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-225-5988. CAUTION: Processing that makes flames, heat, or explosion may cause lung disease. See Material Safety Data Sheets for further information.

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-225-5988. Attention: les traitements entraînant la production de vapeurs, de chaleur, ou de explosions peuvent être causes de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.

Stephen Wall
 Director, Corporate Quality Assurance

Click on link to view purchase order
 This certification has been
 Date: 11-17-14
 Purchase Order No. 70050115A
 Q.A. Rep: 3
 Page: 3

CLICK BOND

P.O. 204007
 P.N. 00137
 REV. 4
 LOT # 15995
 MOELLER MFG. & SUPPLY, INC.
 805 E. CERRITOS
 ANAHEIM, CA 92805

UNITED PERFORMANCE METALS
This is to certify that in accordance with the records in
our files the material shipped on your purchase order
conforms to the following:

Box 225 X COL.
P.O. 117104
Pitts.
Sales P. 0121752
Quantity: 3

Description: 30077 SAN 014-01883
Customer: MOELLER MFG.
Ship to: 00102013
Mat. No: 501131

NOTICE OF SHIPMENT/
PACKING LIST



CUST. ORD. NO. & DATE 01022713		CUST. CODE 05/16/13	110977	VANDERGRIFF, PA.	584587	13020102060000	30-053-390	06/28/13
SOLD TO UNITED PERFORMANCE METALS INC 3475 SYMMES ROAD HAMILTON OH 45015		ACCEPTING MILL VANDERGRIFF, PA.		SHIPPER NO. 584587	PRODUCT CODE 13020102060000	MILL ORDER NUMBER 30-053-390	DATE SHIPPED 06/28/13	LCS
FORMS DISTRIBUTION SOLD TO UNITED PERFORMANCE METALS INC 3475 SYMMES ROAD HAMILTON OH 45015		REPEAT ORDER 82037-8		GOVT CONTRACT	MATL. 1124 VANDERGRIFF	SHIPPING LOCATION PA	INVOICE 651762	
SHIP TO UNITED PERFORMANCE METALS 3475 SYMMES ROAD HAMILTON OH 45015		PRIME SEC. DSO DSO 516						

CERTIFICATE OF TEST

GRADE
"ATI 304L" STAINLESS STEEL SHEET C R COILS ANNEALED 2B FIN 3 EDGE

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 21 DATED 11/12/2012.

ATI ALLEGHENY LUDLUM WORKS TO THE ROLLS ROYCE SABRE QUALITY MANAGEMENT SYSTEM.

QUALITY SYSTEM CERTIFIED ACCORDING TO PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, ANNEX I, 4.3 BY TUV SUD, INDUSTRIE SERVICE GMBH, (NOTIFIED BODY 0036).

ATI ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL TESTED AT ATI ALLEGHENY LUDLUM GEAE S400 APPROVED FACILITIES (T1225 & T9317):
NATRONA HEIGHTS, PA TECHNICAL CENTER; BRACKENRIDGE, PA AND NEW BEDFORD, MA.

ATI ALLEGHENY LUDLUM HOLDS SEVERAL QUALITY AND LABORATORY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, AD 2000-MERKBLATT WO, EU PRESSURE EQUIPMENT DIRECTIVE 97/23/EC, NADCAP, ISO/IEC 17025, GEAE S400, GEAE S-1000. REFER TO WWW.ALLEGHENYLUDLUM.COM TO ACCESS THE CURRENT ATI AL QUALITY CERTIFICATIONS.

PAGE 03 - CONTINUED ON PAGE 04

06/28/13 07:00:22

CONSIGNEE-Please Note-The consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Major Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-226-5960. CAUTION: Processing this material, fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING
Les fiches d'information-sécurité de ce produit ont été livrées à votre département chargé des achats. Pour obtenir des renseignements supplémentaires téléphonez au numéro suivant 724-226-5960. Attention: les traitements dangereux la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

This shows a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgment.
Stephen Wolf -
Director, Corporate Quality Assurance

CHUCK BOND.

P.O. 2005015A
P.N. CBUSICKS
REV. 4 LOT # 15995
MOELLER MFG. & SUPPLY, INC.
805 E. CERRITOS
ANAHEIM, CA 92805

Click on link to view this certificate has been reviewed and approved
Date: 11-17-14
Purchase Order No: 70050115A
Q.A. rep: 6
Pass



Cytec Engineered Materials Inc.
645 North Cypress
Orange, CA 92867
Telephone (714)630-9400
FAX (714)532-4096

Sold to:
CLICKBOND
SUB OF PHYSICAL SYSTEMS
2151 LOCKHEED WAY
CARSON CITY, NV 89706
UNITED STATES OF AMERICA

Ship to:
CLICKBOND

2180 LOCKHEED WAY
CARSON CITY, NV 89706
UNITED STATES OF AMERICA

Attention: QUALITY DEPARTMENT

Date: 06-Jan-2015

CERTIFICATION

We certify that this Cytec Engineered Materials product ordered on the indicated purchase order has been tested in accordance with the applicable specification procedures and found to possess the following properties, therefore meeting the requirements of your requested specification.

Cytec Eng Matl Item: 22771353
Item Description: MXB 7668/7781 60" MEDIUM TACK DP
Lot Name: 2231334
Date Shipped: See Pack List
QTY Shipped: 2005.0000 YD
Customer Part Number: 350 GLASS/EPOXY
Customer PO: 70052484 Line: 01
Sales Order & Line No.: 203053435/10
Packing Slip No.: 20305343511
Date of Manufacture: 19-Dec-2014

Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781
Notes: THIS SPECIFICATION AND MANUFACTURING LOCATION IS LISTED IN BOEING D1-4426
PROCESS CODE 1024C AND REQUIRES NO PURCHASER TESTING UNLESS OTHERWISE
SPECIFIED BY BOEING.
THE MATERIAL AND METHODS OF MANUFACTURE HAVE NOT CHANGED FROM THOSE USED
IN THE QUALIFICATION SAMPLE UNLESS OTHERWISE APPROVED BY BOEING.

Flammability last verified on Lot 2230595; 8 May 2014.

Component	Results	Spec
VERTICAL		
Burn Length	1.4"	<6.0"
Self Extinguish	0 sec	<15 sec
Drip Extinguish	0 sec	<3 sec

45 DEGREE		
Self Extinguish	0 sec	<15 sec
After Glow	0 sec	<10 sec
Penetration	None	None

Shelf Life: 270 Days from Date of Manufacture at 10° F or below in a sealed moisture proof container

Additional Notes: QPL SUPPLIER PRODUCT DESIGNATION: MXB-7668/7781 (C1)

CLICK BOND, INC., Q.A. DEPARTMENT

This certification has been reviewed and accepted:

Date: 1-15-15

Purchase Order No. 70052484

Q.A. Rep: (CB28)

Page 1 OF 24

Jeffrey Ahmed

Digitally signed by Jeffrey Ahmed
DN: cn=Jeffrey Ahmed, o=Cytec, ou=Quality,
email=jeffrey.ahmed@cytec.com, c=US
Date: 2015.01.06 09:18:51 -08'00'

Quality Representative

Report Number: STD_CERT-203502

Page 1 of 24

Cytec Eng Matl Item.: 22771353
Item Description: MXB 7668/7781 60" MEDIUM TACK DP
Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

Picked Rolls/Sublot	0001	0002	0003	0004	0005	0006	0007	0008	0009	0010
	0011	0012	0013	0014	0015	0016	0017	0018	0019	0020
	0021	0022	0023	0024	0025	0026	0027	0028	0029	0030
	0031									

CLICK BOND, INC., Q.A. DEPARTMENT

This certification has been reviewed and accepted:

Date: 1-15-15

Purchase Order No. 70052484

Q.A. Rep: CB28

Page 2 OF 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN PROCESS

Result		Units	Minimum	Maximum
Sublot: 001 Segment: HEAD OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 37 37	%	34	Report 38
RS-AVG	37	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	22 22	%	12	Report 22
FLOW-AVG	22	%	12	22
Sublot: 001 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 38 37	%	34	Report 38
RS-AVG	37	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>GEL TIME/1/G-020</u>				
325°F Test Temp				
TIME-IND	2 2 1	min	1	Report 7
TIME-AVG	2	min	1	7
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	22 22	%	12	Report 22
FLOW-AVG	22	%	12	22
Sublot: 002 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 36 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 003 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 20	%	12	Report 22
FLOW-AVG	20	%	12	22

Report Number: STD_CERT-203502

CLICK HERE TO VIEW THE CERTIFICATE
 This certification has been reviewed and accepted.
 Date: 1-15-15
 Purchase Order No. 70052484
 QA Rep: (CB28)
 Pages 3 of 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN PROCESS

Result		Units	Minimum	Maximum
Sublot: 004 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 34	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 005 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 006 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 007 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT Page 4 of 24
 This certification has been reviewed and accepted:
 Date: 1-15-15
 Purchase Order No. 70052484
 Q.A. Rep: (CB28)
 4 of 24

Cytec Eng Matl Item.:
Item Description:
Lot Name:

22771353
MXB 7668/7781 60" MEDIUM TACK DP
2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 008 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 36 36	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 009 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 34 35	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.8 0.9	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 010 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 36	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 011 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 37 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.9 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 18	%	12	Report 22
FLOW-AVG	19	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted by:
Date: 1-15-15
Purchase Order No. 70052484
Q.A. Rep: (CB28)
Page 5 OF 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 012 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 37 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.6 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 013 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 37 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.6 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 014 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 015 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.7 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 20	%	12	Report 22
FLOW-AVG	20	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT

This certification has been reviewed and accepted page 6 of 24

Date: 1-15-15

Purchase Order No. 70052484

Q.A. Rep: (CB28)

Page 6 OF 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 016 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.8 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 017 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 20	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 018 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 019 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and accepted: Page 7 of 24
 Date: 1-15-15
 Purchase Order No. 70051484
 Q.A. Rep: (CB28)
 Page 7 OF 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result	Units	Minimum	Maximum
Sublot: 020 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 36 35	%	34	Report 38
RS-AVG 36	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.6 0.7 0.7	%	0.0	1.5
VOL-AVG 0.7	%	0.0	1.5
Sublot: 021 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 36 35	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.7 0.6 0.7	%	0.0	1.5
VOL-AVG 0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 21 22	%	12	Report 22
FLOW-AVG 22	%	12	22
Sublot: 022 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 36 35	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.6 0.6 0.7	%	0.0	1.5
VOL-AVG 0.6	%	0.0	1.5
Sublot: 023 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 37 35	%	34	Report 38
RS-AVG 36	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.6 0.6 0.6	%	0.0	1.5
VOL-AVG 0.6	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 21 21	%	12	Report 22
FLOW-AVG 21	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and accepted:
 Date: 1-15-15
 Purchase Order No. 70052484
 Q.A. Rep: CB28
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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 024 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 38 36	%	34	Report 38
RS-AVG	37	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.6	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 025 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 026 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.6 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 027 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 028 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 029 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.7	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 030 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 031 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 21	%	12	Report 22
FLOW-AVG	21	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 032 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 033 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	22 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 034 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.6 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 035 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 34 34	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.5 0.5 0.5	%	0.0	1.5
VOL-AVG	0.5	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 18	%	12	Report 22
FLOW-AVG	19	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 036 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 38 38	%	34	Report 38
RS-AVG	38	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.7 0.6	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
Sublot: 037 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 38 37	%	34	Report 38
RS-AVG	37	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 037 Segment: TAIL, REFEREE				
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 21	%	12	Report 22
FLOW-AVG	20	%	12	22
Sublot: 037 Segment: TAIL, RETEST				
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 20	%	12	Report 22
FLOW-AVG	20	%	12	22
Sublot: 038 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 38 38	%	34	Report 38
RS-AVG	37	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.9 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 039 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 33	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.7 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 20	%	12	Report 22
FLOW-AVG	19	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result	Units	Minimum	Maximum
Sublot: 040 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 34 34 33	%	34	Report 38
RS-AVG 34	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.7 0.8 0.7	%	0.0	1.5
VOL-AVG 0.7	%	0.0	1.5
Sublot: 041 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 35 34	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.8 0.7 0.8	%	0.0	1.5
VOL-AVG 0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 21 21	%	12	Report 22
FLOW-AVG 21	%	12	22
Sublot: 042 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 36 36 35	%	34	Report 38
RS-AVG 36	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.8 0.8 0.8	%	0.0	1.5
VOL-AVG 0.8	%	0.0	1.5
Sublot: 043 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 36 35	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.5 0.6 0.6	%	0.0	1.5
VOL-AVG 0.6	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 21 22	%	12	Report 22
FLOW-AVG 22	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 044 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.7 0.6	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 045 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.7 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 20	%	12	Report 22
FLOW-AVG	20	%	12	22
Sublot: 046 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 33	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 047 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	22 20	%	12	Report 22
FLOW-AVG	21	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 048 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.9 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 049 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 19	%	12	Report 22
FLOW-AVG	19	%	12	22
Sublot: 050 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 33 34	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 051 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 34 33	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 19	%	12	Report 22
FLOW-AVG	19	%	12	22

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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result	Units	Minimum	Maximum
Sublot: 052 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 35 34	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.6 0.6 0.6	%	0.0	1.5
VOL-AVG 0.6	%	0.0	1.5
Sublot: 053 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 34 34 34	%	34	Report 38
RS-AVG 34	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 1.0 0.8 0.9	%	0.0	1.5
VOL-AVG 0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 19 19	%	12	Report 22
FLOW-AVG 19	%	12	22
Sublot: 054 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 34 35 34	%	34	Report 38
RS-AVG 34	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 0.8 0.8 0.8	%	0.0	1.5
VOL-AVG 0.8	%	0.0	1.5
Sublot: 055 Segment: TAIL OF ROLL			
<u>RS/1/R-147</u>			
RS-IND 35 36 33	%	34	Report 38
RS-AVG 35	%	34	38
<u>VOLATILES/1/V-083</u>			
325°F Test Temp			
VOL-IND 1.0 0.9 0.8	%	0.0	1.5
VOL-AVG 0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>			
325°F Test Temp			
FLOW-IND 19 19	%	12	Report 22
FLOW-AVG 19	%	12	22

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 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 056 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 33	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.9 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 057 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	34 35 33	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.8 1.0	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	18 19	%	12	Report 22
FLOW-AVG	19	%	12	22
Sublot: 058 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.4 0.9 0.5	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 059 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.2 1.2 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 19	%	12	Report 22
FLOW-AVG	19	%	12	22

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 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 060 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.7 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 061 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	34	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.8 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 18	%	12	Report 22
FLOW-AVG	18	%	12	22
Sublot: 062 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.9 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 063 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 33	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 21	%	12	Report 22
FLOW-AVG	20	%	12	22

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Purchase Order No. 70052484

Q.A. Rep: (CB28)

Page 18 of 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN PROCESS

Result		Units	Minimum	Maximum
Sublot: 064 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 065 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	21 20	%	12	Report 22
FLOW-AVG	20	%	12	22
Sublot: 066 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 067 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 19	%	12	Report 22
FLOW-AVG	19	%	12	22

Report Number: STD_CERT-203502

CLICKBOND, INC., Q.A. DEPARTMENT

This certification has been reviewed and accepted: Page 19 of 24

Date: 1-15-15
 Purchase Order No. 70052484
 Q.A. Dept. (CB23)
 Page 19 OF 24

Cytec Eng Matl Item.:
Item Description:
Lot Name:

22771353
MXB 7668/7781 60" MEDIUM TACK DP
2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 068 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.9 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 069 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 33	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.6 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 20	%	12	Report 22
FLOW-AVG	20	%	12	22
Sublot: 070 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	1.0 0.8 0.8	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 071 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 35 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.4 0.8 0.8	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	18 19	%	12	Report 22
FLOW-AVG	19	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT

Page 20 of 24

This certification has been reviewed and accepted:

Date: 1-15-15

Purchase Order No. 70052484

C.A. Rep: CB28

Page 20 OF 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 072 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	37 36 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.6 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
Sublot: 073 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 34	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	22 21	%	12	Report 22
FLOW-AVG	21	%	12	22
Sublot: 074 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.9 0.9 0.9	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
Sublot: 075 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	20 21	%	12	Report 22
FLOW-AVG	21	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and approved.
 Date: 1-15-15
 Purchase Order No. 70052484
 Q.A. Rep: (6628)
 Page 21 of 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 076 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 37 36	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 077 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 35 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.7 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	18 20	%	12	Report 22
FLOW-AVG	19	%	12	22
Sublot: 078 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.9 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 079 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 1.1	%	0.0	1.5
VOL-AVG	0.9	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	19 20	%	12	Report 22
FLOW-AVG	20	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT Page 22 of 24
 This certification has been reviewed and accepted:
 Date: 1-15-15
 Purchase Order No. 70052484
 C.A. Rep: (CB23)
 Page 22 of 24

Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

IN_PROCESS

Result		Units	Minimum	Maximum
Sublot: 080 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	35 36 35	%	34	Report 38
RS-AVG	35	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.8 0.8 0.8	%	0.0	1.5
VOL-AVG	0.8	%	0.0	1.5
Sublot: 081 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 36 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.6 0.7 0.7	%	0.0	1.5
VOL-AVG	0.7	%	0.0	1.5
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	17 20	%	12	Report 22
FLOW-AVG	19	%	12	22
Sublot: 082 Segment: TAIL OF ROLL				
<u>RS/1/R-147</u>				
RS-IND	36 37 35	%	34	Report 38
RS-AVG	36	%	34	38
<u>VOLATILES/1/V-083</u>				
325°F Test Temp				
VOL-IND	0.7 0.6 0.5	%	0.0	1.5
VOL-AVG	0.6	%	0.0	1.5
<u>GEL TIME/1/G-020</u>				
325°F Test Temp				
TIME-IND	1 2 1	min	1	Report 7
TIME-AVG	1	min	1	7
<u>FLOW/1/F-113A</u>				
325°F Test Temp				
FLOW-IND	23 22	%	12	Report 22
FLOW-AVG	22	%	12	22

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and accepted.
 Date: 1-15-15
 Purchase Order No. 70052484
 Q.A. Rep: (CB28)
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Cytec Eng Matl Item.: 22771353
 Item Description: MXB 7668/7781 60" MEDIUM TACK DP
 Lot Name: 2231334



Specification: BMS 8-139 REV. N, CLASS 1 AND 2, STYLE 7781

MECHANICAL

Result		Units	Minimum	Maximum
Sublot: 003	Segment: ROLL			
<u>COMPRESSION / 1 / MT-0016</u>				
WARP, 73°F, AMBIENT				
COMP STRN-IND	73.0 69.0 69.6 77.6 71.2	ksi		48.6
COMP STRN-AVG	72.1	ksi		54.0
COMP MOD-IND	3.9 3.9 3.8 3.9 3.7	Msi		2.8
COMP MOD-AVG	3.9	Msi		3.1
<u>TENSION / 1 / MT-0010</u>				
WARP, 73°F, AMBIENT				
TENS STRN-IND	80.4 81.0 78.2 87.5 89.9	ksi		42.3
TENS STRN-AVG	83.4	ksi		47.0
TENS MOD-IND	3.4 3.5 3.3 3.7 3.7	Msi		2.8
TENS MOD-AVG	3.5	Msi		3.1
<u>CURED PLY THICKNESS / 1 / M-004</u>				
WARP TENSION PANEL				
CPT-IND	0.0093 0.0095 0.0098 0.0087 0.0085 0.0092 0.0096 0.0094 0.0092 0.0089	in		Report
CPT-AVG	0.0092	in		Report

Report Number: STD_CERT-203502

CLICK BOND, INC., Q.A. DEPARTMENT Page 24 of 24

This certification has been reviewed and accepted:

Date: 1-15-15

Purchase Order No. 70052484

Q.A. Rep: CB28

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B&B SPECIALTIES, INC. / GS AEROSPACE
4321 E. LA PALMA AVENUE
ANAHEIM, CA 92807

PACKLIST

Order #: 317517
Packlist ID: P19244
Date: 04/29/2014
Page: 1 of 1

Sold To
(GCLIC2180) CLICK BOND, INC. 2180 LOCKHEED WAY CARSON CITY, NV 89706 USA

Ship To
(GCLIC2180) CLICK BOND, INC. 2180 LOCKHEED WAY CARSON CITY, NV 89706 USA

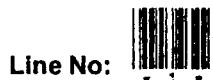
CUSTOMER PO	SALES REP ID	COUNTRY OF ORIGIN	CARRIER NAME	SHIPPING METHOD
70045987	DCMAY	U.S.A.	UPSGRD	UPS GROUND

ORDER SPECIFICATIONS

UPS GROUND COLLECT #873823
OVER 200 LBS. SHIP VIA
UPS FREIGHT
OR USF REDDAWAY ACCT# 874135

QUANTITY			CUSTOMER PART NO.	PART ID DESCRIPTION	SHIPPING UOM
ORD	SHF	BCK			
12,500	12,500	0	CB10926CRA3P32	A2LFS10321997HRJTLTMDTS 10-32J X 1.987 LG FLANGE A286 Drawing ID: CB10926	EA

Drawing Rev: 9



Line No:

CLICK BOND, INC.


MAY 21 2014


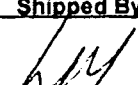
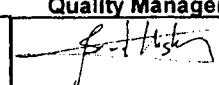
RECEIVED BY Q.A.
MATERIAL & CERTS OK

CB15

.100 GRIP, J-THD, +/- .010 LENGTH TOLERANCE

LOT #:
00105060 QTY: 1,280.00
~~00106872 QTY: 11,220.00~~
FULL CHEMICAL AND PHYSICAL PROPERTY
CERTIFICATIONS INCLUDED
MATERIAL IS DFAR/DFAR ALT1 COMPLIANT
DESIRED SHIP DATE: 03/25/2014

Products on this order have been 100% visually inspected and found acceptable.
Inspector:  Date: 4/29/14


Number of Packages	Weight	Filled By	Shipped By	Quality Manager
9	228			

Certificate of Conformance

Materials furnished on this order have been manufactured in accordance with all applicable instructions. GS Aerospace disclaims any responsibility for design or engineering defects and hereby limits express or implied warranties to liability for replacement cost of product supplied. No liability is assumed for parts reworked, changed, modified and plated, etc. Acceptability of screw threads are in accordance with MIL-S-77 42/MIL-S-8879 method for system 22, when required by the applicable specification. We certify that the product listed above is free of mercury. The product do not come in direct contact with mercury or any of its compounds. Made in USA. Maintain Traceability - Do not mix lots.

No Returns will be accepted without a Return Authorization Number

1 pallet
228 LBS
9 boxes

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted:
Date: 5-22-14
Purchase Order: 70045987
Q.A. Rep: 
Page 1 OF 11

GS Aerospace
4321 E. La Palma Ave.
Anaheim, CA 92807

**CERTIFIED
TEST REPORT**

Test Report Serial No: 161342
Test Report Date: 4/29/2014
CAGE CODE: 1EM77

CLICK BOND, INC.
2180 LOCKHEED WAY
CARSON CITY, NV 89706

PO Number: 70045987
Customer Part No: CB10926CRA3P32 REV. 9
Cross Ref:

MFG Number: 106872
Packing Slip No: GSP19244

GS Part Number: A2LFS10321997HRJTLTMDTS Lot Quantity: 26500
Head Description: LARGE FLANGE STUD Length: 1.987
Finish: PASSIVATE AMS 2700 MTH 1 Ty 2 Thread Form: 10-32 UNJF-3A
Material: A286 Specs: Heat Treat: AMS 2759/3
RM Heat No: C3A84 Supplier: BROWN-PACIFIC, INC.
C: MN: P: S: SI: CR: NI: CU: MO: FE: CO: V: AL: TI: B: H: O: Y: N:
.03 .38 .013 .001 .04 14.4124.35 .17 1.15 .11 .18 .21 2.10 .007

QTY Shipped

11220

Evaluation Performed	Specification	Results	Tech	Rejects/Sample	Test Method	Spec Value	Test Value
Dimensional Evaluation	CB10926	Accept	28	0/35			
Fastener Evaluation	Not Required	N/A	21				
Hardness	Not Required	N/A	21				
Axial Tensile	Not Required	N/A	21				
Stress Durability	Not Required	N/A	21				
Magnetic Permeability	Not Required	N/A	21				

Key Characteristic	Specification	Test Value	Rejects / Sample	Results	Inspector:	Sample Spec:
Flange Height	CB10926	.026/.027	0/35	Accept	28	QP-1001
Head Diameter (A)	CB10926	.618/.620	0/35	Accept		
Flange Ht./Angle	CB10926	.041/.043	0/35	Accept		
O/A Length (L)	CB10926	1.984/1.991	0/35	Accept		
Threads	CB10926	VISUAL	0/35	Accept		
Thread Functional	CB10926	.1677/.1692	0/35	Accept		
Thread Pitch	CB10926	.1675/.1686	0/35	Accept		
Thread Major	CB10926	.1823/.1836	0/35	Accept		

Test Type	Hardness	Spec Value:	Min / Max:
Spec:	Not Required	Sample Size	Technician: 21
Sample	1: 2: 3: 4: 5: 6: 7: 8: 9: 10: 11: 12: 13:		
Actual			
Conv			

Test Type	Axial Tensile	Spec Value LBS:	Sample Size:	Min / Max PSI:
TestSpec:	Not Required	Spec Value PSI:	Technician: 21	Min / Max LBS:
Sample	1: 2: 3: 4: 5: 6: 7: 8: 9: 10: 11: 12: 13:			
Force				
Tensile				

Test Type:	Spec Value LBS:	Sample Size	Min / Max LBS:
Spec:	Results	Spec Value PSI:	Technician:
			Min / Max PSI:

Process Performed	Specification	Laboratory or Supplier	Results / Sample	Results
Heat Treat	AMS 2759/3	BURBANK STEEL TREATING, INC.		Accept
Passivate	AMS 2700	QUALITY CONTROL PLATING		Accept
Salt Spray Test	AMS 2700	QUALITY CONTROL PLATING		Accept

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted
Date: 5-22-14
Purchase Order No. 70045987
CB15
2 of 11

GS Aerospace certifies that the product samples tested above conform to the latest referenced specifications listed and the original data is available for review with sufficient notice. This Certified Test Report can not be reproduced except in full. This Certified Test Report only relates to the samples of the above lot tested. The estimated uncertainty of scale measurement is +/- 3%. The product listed above is free of mercury. The recording of false, fictitious, or fraudulent statements may be punished as a felony under federal law.

Lot conforms to current requirements of CB10926CRA3P32 Rev. 9

Revision:



All material and/or finishes used to construct the part number or description are free of prohibited materials to the best of our knowledge.

B. Hightower
Quality Assurance



BROWN-PACIFIC, INCORPORATED
13639 BORA DR. / SANTA FE SPRINGS / CALIFORNIA 90670
(562) 921-3471 • (562) 921-7012 FAX

MATERIAL TEST REPORT

FO.B.	SFS	SHIP VIA	BP TRUCK	JOB NO.	INVOICE NO.	0-79636
SHIP TO SOLID TO	B & B SPECIALTIES 4321 E. LA PALMA AVE ANAHEIM, CA 92807			ORDER DATE	10/28/13	
				CUST. P.O. NO.	55416	
				DUE DATE	12/30/13	
	B & B SPECIALTIES 4321 E. LA PALMA AVE ANAHEIM, CA 92807			60115-10924		
PRODUCT ORDERED				QTY. ORDERED	1100	
0.328 DIA TYPE A-286 CONVERTED TO 0.184/0.185 DIA SEAMSAFE COPPER SOAP COATED COIL				DFAR 252.225-7014 ALT. 1 COMPLIANT		
KNOWINGLY OR WILLFULLY RECORDING FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THIS DOCUMENT MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW, TITLE 18, CHAPTER 47.						

SPECIFICATIONS

ES M 01-001 REV E, AMS 5731L, CAP OF AMS 5732J 5734K 5737P

GRADE	MILL NO.	HEAT NO.
A-286	18	C3A84

CHEMICAL ANALYSIS

C: .03 AL: 0.21
 MN: 0.38 TI: 2.10
 P: 0.013 B: 0.007
 S: 0.001 CB:
 SI: 0.04 TA:
 NI: 24.35 CB+TA:
 CR: 14.41 CU: 0.17
 MO: 1.15 SE:
 CO: 0.11 N:
 V: 0.18 FE:
 CA: PB: <1PMM
 MG: BI: <1PMM
 ZR<.01

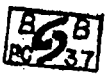
ASTM GRAIN SIZE: 7/8

ALLVAC,USA

MACRO:

MICRO:


OTHER:

B & B By: 
Reviewed Date: 1.7.14

THIS LOT WAS USED
IN THE MANUFACTURING
OF MFG # 100872

MECHANICAL PROPERTIES AND CAPABILITY

AS SHIPPED PROPERTIES	TENSILE, KSI	YIELD, KSI	% ELON
	101.2	55.3	
	% RA	HARDNESS	SHEAR, KSI
ETT °F	TENSILE, KSI	YIELD, KSI	% ELON
			% RA
STRESS RUPTURE	TEMP °F	STRESS, KSI	HOURS
	1200F	65	48.0
	1200F	70	48.1
			% ELON
			31.7
			24.6
H.T. PROCEDURE	1650F 2HRS W/Q, 1325F 16HRS A/C		
	TENSILE, KSI	YIELD, KSI	% ELON
	162.1	106.5	26.6
	% RA	HARDNESS	SHEAR, KSI
	54.7	RC 30	
H.T. PROCEDURE	1800F 1HR W/Q, 1325F 16HRS A/C		
	TENSILE, KSI	YIELD, KSI	% ELON
	160.3	101.6	26.6
	% RA	HARDNESS	SHEAR, KSI
	55.1	RC 31	
H.T. PROCEDURE			
	TENSILE, KSI	YIELD, KSI	% ELON
	% RA	HARDNESS	SHEAR, KSI

CLICK BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and accepted:
 Date: 5-22-14
 Purchase Order No: 70045987
 Q.A. Rep: 
 Page 3 OF 11



CERTIFICATE OF TEST

4374 Lancaster
Highway,
Richburg, SC 29729 US

Cert No. 8172 Rev. 1

Certification Auditor : Tina K. Colettiles

Date : November 08, 2016

Batch - 14281
Heat - C3A84

Customer Name & Address	Purchase Order No	Sales Order No	Sales Order Line No
Brown Pacific Inc 13839 Bora Drive Santa Fe Springs CA 90670 US	M2695T-301	16315	1.1

Size (in)	Gross section	No Pos	Weight (lbs)	Alloy
0.328	Round	28	21.648	ATI A286 Alloy

Specifications

Spec Name	Rev	Compliance Condition
S-400	10/15/2012	Compliant
S-4001	06/18/12	Compliant

Reference Specifications

Spec Name	Rev	Class	Compliance Condition
AMS 5731	L		Capability
AMS 5732	J		Capability
AMS 5734	K		Capability
AMS 5737	P		Capability
AMS 5853	C		Chemistry Only
AMS 7235	D		Capability Of
ASTM A453/A453M	2011	GRADE-660, CLASS-A	Chemistry Only
CSOT35	84 AM.7	CLASS-A	Chemistry Only

As Shipped Condition

Heat Treat	Hot Work Type
Mill Annealed	Rolling

Remarks:

Material was mill annealed and direct quenched.

Surface Finish

As Hotworked

Melt Method Details

Primary Melt	Facility	Address
Argon Oxygen Decarbonization	ATI Allegheny Ludlum	Rt. 981 N., Latrobe, PA 15850 US
Remelt	Facility	Address
Electroslag Remelt	ATI Allvac	2020 Ashcraft Avenue, Monroe, NC 28111-5030 US

THIS LOT WAS USED
IN THE MANUFACTURING
OF MFG # 100872

B6B By: PC 37
Reviewed Date: 11-7-14

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted:
Date: 5-22-14
Purchase Order: 70045987
Q.A. Rep: CBT5
Page 4 OF 11

Batch - 14281

Heat - CSA84

Si	%	XRF	0.04
Cr	%	XRF	14.41
Ni	%	XRF	24.85
Mn	%	XRF	1.18
Ti	%	XRF	2.10
S	%	OES	0.007
V	%	XRF	0.18
Co	%	XRF	0.11
Al	%	XRF	0.21
Cu	%	XRF	0.17
Zr	%	XRF	<0.01

Remarks:

CS = Combustion/IR Detection

OES = Spark Optical Emission

XRF = X-Ray Fluorescence

Sample Source	Ladle		
Test Facility	ATI Allvac - Monroe		
Elements	UOM	Method	
Pb	PPM	WET	<1
Bi	PPM	WET	<0.1

Remarks:

WET = Mass Spectroscopy

Test Methods: C/S/O/N = ASTM E1019 (2008); XRF = ASTM E572 (2002A/2008*2), ASTM E1085 (2009), ASTM E2486 (2008); OES = ASTM E415 (2008), ASTM E1086 (2008)

MECHANICAL

As Shipped

Plant: Mill Annealed/Direct Quenched

Tensile

Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	Initial Diameter (in)	Crosshead Speed	Test Facility
L	C	ROOM	82.8	.3508	.05	Aacren

Remarks:

L = Longitudinal

C = Center

ASTM E8/E8M (2011)

Hardness

Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
L	MR	81	HRA	Aacren

Remarks:

T = Transverse

MR = Mid-Radius

ASTM E18 (2012)

THIS LOT WAS USED
IN THE MANUFACTURING
OF MFG # 100872



B6B By: _____

Reviewed Date: 1-7-14

Page 2 of 6

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted:

Date: 5-22-14Purchase Order No. 70045987

Q.A. Rep: _____

Page 5 OF 11

Cert No. 8172 Rev.1

Batch - 14281

Heat - C3A84

Test Specimen Heat Treatment(s)

Plant: Mill Annealed/Direct Quenched

Laboratory: 1800F, 2hrs, WQ - 1825F, 16hrs, AC

Tensile

Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	% Yield Strength (ksi)	% Elongation (%)	Reduction of Area (%)	Initial Gauge Length (in)	Initial Diameter (in)	Crashhead Speed	Strain Rate (in/in/min)	Test Facility
L	C	ROOM	168.1	108.6	28.8	84.7	.84	1.006	.05	.005	Westmoreland Mechanical Testing

Remarks:

L = Longitudinal

C = Center

ASTM E8/E8M (2011)

Hardness

Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
T	MR	30	HRC	Aurora

Remarks:

T = Transverse

MR = Mid-Radius

ASTM E18 (2012)

Stress Rupture

Sample Direction	Sample Location	Test Facility	% Elongation (%)	Initial Diameter (in)	Bar Rupture Gauge	Notch Radius	Test Temperature (F)
L	C	Westmoreland Mechanical Testing	31.7	1.788	Smooth Section Rupture	60 068	1200

Stress Rupture Load

Load (ksi)	Time (Hours)
65.0	48.0
70.0	66.3
75.0	84.7
80.0	72.6
85.0	73.0

Remarks:

L = Longitudinal

C = Center

CSN = Combination Smooth and Notch

ASTM E139 (2011), ASTM E292 (2009)

Test Specimen Heat Treatment(s)

Plant: Mill Annealed/Direct Quenched

Laboratory: 1800F, 1hr, WQ - 1325F, 16hrs, AC

Tensile

Sample Direction	Sample Location	Test Temperature	Ultimate Strength (ksi)	% Yield Strength (ksi)	% Elongation (%)	Reduction of Area (%)	Initial Gauge Length (in)	Initial Diameter (in)	Crashhead Speed	Strain Rate (in/in/min)	Test Facility
L	C	ROOM	160.3	101.8	28.6	68.1	.84	1.008	.05	.005	Westmoreland Mechanical Testing

Remarks:

L = Longitudinal

C = Center

ASTM E8/E8M (2011)

Hardness

Sample Direction	Sample Location	Hardness Value (Rockwell)	Hardness Type	Test Facility
L	MR	31	HRC	Aurora

Remarks:

T = Transverse

MR = Mid-Radius

ASTM E18 (2012)

WON BOND, INC., Q.A. DEPARTMENT
 This certification has been reviewed and accepted:
 Date: 5-22-14
 Purchase Order No. 70045987
 Q.A. Rep: CB15
 Page 6 OF 11

THIS LOT WAS USED
 IN THE MANUFACTURING
 OF MFG # 1060872

BGB By: 

Reviewed Date: 1-7-14

Batch - 14281

Heat - C9A84

Stress Rupture

Sample Direction	Sample Location	Test Facility	40-Elongation (%)	Initial Diameter (in)	Bar Rupture Code (None)	Notch Radius (in)	Test Temperature (F)
L	C	Westmoreland Mechanical Testing	24.8	.1785	Smooth Section Rupture	160 DEG	1200

Stress Rupture Load

Load (ksi)	Time (Hours)
78.0	48.1
78.0	64.8
80.0	64.6
85.0	72.7
80.0	72.8

Remarks:

L = Longitudinal

C = Center

CSN = Combination Smooth and Notch

ASTM E139 (2011), ASTM E292 (2009*1)

METALLOGRAPHY**As Shipped**

Plant: Mill Annealed/Direct Quenched

Grain Size

Sample Direction	Sample Location	Structure Type	Uniform ASTM	Test Facility
L	8-8	Uniform	3	Acuren

Remarks:

L = Longitudinal

8-8 = Surface to Surface

Average Grain Size Test Method = ASTM E112 (2012)

Ultrasonico

Test Facility: ATI Allvac - Richburg, SC

Remarks:

Material was ultrasonically inspected at intermediate billet size and found acceptable.

Macro

Test Facility	Etchant	Magnification
ATI Allvac - Monroe, NC	Ferric Chloride	1X

Remarks:

Material was macro evaluated at intermediate billet size and found acceptable.

Outside Source Addresses**Outside Testing Laboratory**

Facility	Address
ATI Allvac	2020 Ashcroft Avenue, NC 28040 USA
Acuren	4374 Lancaster Hwy., SC 29720 USA
Westmoreland Mechanical Testing	P.O. Box 388, PA 17104 USA

Special Remarks

GEAE S-400 (GT193) Supplier Codes:
 ATI Allvac Monroe No. 87012
 Westmoreland No. T7888
 Acuren No. T7605

Remarks

Material has been produced, sampled, inspected and tested in accordance with the customer purchase order and referenced specifications and conforms to the requirements unless otherwise noted in this Certificate of Test. If customer purchase order does not specifically reference a revision to a specification, ATI Allvac will work to the latest revision on file and in effect at the time of order placement.

Any chemical elements analyzed and found to have values below the actual limits of detection may be reported as < less than or reported at the detection level.

When values are reported to the significant places called for in the specifications, rounding will be done in accordance with ASTM E29.

This is to certify that during the manufacturing, handling, testing and inspection, this material did not come in direct contact with mercury or any device employing a single boundary of containment.

ATI Allvac products have not come in contact with radioactive materials during manufacturing or processing.

No weld repair has been performed on this material.

THIS LOT WAS USED
 IN THE MANUFACTURING
 OF MFG # 106812



continued...

Material Safety Data Sheets (MSDS) - View or print from our site: www.atimetals.com
Printed copies are available upon request from the ATI Allvac Sales Department.

BGB By: 

Reviewed Date: 1-7-14

THIS LOT WAS USED
IN THE MANUFACTURING
OF MFG # 100872

CHUCK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted:
Date: 5-22-14
Purchase Order No. 70045987
Q.A. Rep: (CB15)
Page 8 OF 11

Burbank Steel Treating, Inc.

South Varney Street • Burbank, California 91502-2125
 Phone: (818) 842-0975 • Fax: (818) 239-1588

PROCESS CERTIFICATION

Page 1 of 2

JOB NO.

126340A

B & B SPECIALTIES
 4321 EAST LA PALMA
 ANAHEIM, CA. 92807

S B & B SPECIALTIES
 H 4321 EAST LA PALMA
 I ANAHEIM, CA. 92807
 P UPS ACCT # 934-939
 T NEED PRICES ASAP FAX #714 961-7453
 O

ACCT. NO.	PURCHASE ORDER NO.	DATE REC'D.	WRITTEN BY	WEIGHT	BIP	OTHER
B&B432	106872B	02/26/14	JN	410.000		

QUANTITY	PART NO. / DESCRIPTION
26740	A2LFS10321997HRJTLTMDTS 10-32J X 1.987 LG FLANGE A286 DWG# CB10926 REV "9" MFG# 106872

B & B By: BA 244
 Reviewed Date: 4/29/14

PROCESS	SPECIFIED TEMP °F	SPECIFIED TIME	FURN. NO.	ACTUAL TEMP °F	TIME IN	TIME AT HEAT	TIME OUT	ATMOS. DEWPOINT	Q-MEDIA & TEMP	AS QUENCH HARD	OPERATOR & DATE
LOAD# 1 (16740 PCS)											
DEGR WI-11											SERGIO RANG 02/28/14
PREHEAT	1100°	0:30	V5	1100°	17:40	19:25	20:00	VAC	RAISE		SERGIO RANG 02/28/14
ALLOW 20 MINUTES HEAT UP TIME											SERGIO RANG 02/28/14
SOLUTION	1800°	1:00	V5	1800°	20:00	21:55	23:00	VAC	OIL		SERGIO RANG 02/28/14
DEGREASE											LUIS LEANOS 03/01/14
ATTACH LOAD THERMOCOUPLE											LUIS LEANOS 03/01/14
AGE	1325°	16:00	V1	1325°	11:15	14:30	6:35	VAC	G/F/C		LUIS LEANOS 03/02/14
SAMPLE HARDNESS TEST 13 PCS AND RECORD											PAUL BARRAN 03/03/14
LOAD# 2 (10000 PCS)											

CERT; JN	TEST RESULTS	30-32 HRC
RAN IN 2 LOADS		
QTY TESTED: 6, 7 PCS		

BURBANK STEEL TREATING, INC. certifies that the parts listed above have been heat treated in accordance with the above listed specification, and that the above statements are true. Temperatures and test results were obtained through standard approved methods, and the hardness is certified for the parts in their present state of completion. We certify that process performed by Burbank Steel Treating, Inc. is free of mercury contamination.



ISO 9001:2008
 AS 9100
 CERTIFIED

INSPECTOR: PAUL BARRANCO
 QTY TESTED 13 NO. ACC. 26740 NO. REJ. 0
 By JIM PREWITT AUTHORIZED SIGNATURE
 TITLE QUALITY CONTROL PLANNER
 03/03/14

FORM 7.5-2 Rev. B
 Issue Date: 9-11-11

Burbank Steel Treating, Inc.

5 South Varney Street • Burbank, California 91502-2125
Telephone: (818) 842-0975 • Fax: (818) 239-1588

PROCESS CERTIFICATION

JOB NO.

Page 2 of 2

126340A

B & B SPECIALTIES
4321 EAST LA PALMA
ANAHEIM, CA. 92807

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P

T
O

B & B SPECIALTIES
4321 EAST LA PALMA
ANAHEIM, CA. 92807
UPS ACCT # 934-939
NEED PRICES ASAP FAX #714 961-7453

ACCT. NO.	PURCHASE ORDER NO.	DATE REC'D	WRITTEN BY	WEIGHT	BIP	OTHER
B&B432	106872B	02/26/14	JN	410.000		

QUANTITY PART NO. / DESCRIPTION

26740 A2LFS10321997HRJLTMTDS 10-32J X 1.987 LG FLANGE A286
DWG# CB10926 REV "9"
MFG# 106872

FL.	HARDNESS	ORIGINAL COND.	DESIRED COND.	SPECIFICATIONS							MAX C/S THICK
A286	30-35 HRC	COND A	130 KSI MIN	AMS 2759/3 REV. "E"							.168"
PROCESS	SPECIFIED TEMP °F	SPECIFIED TIME	FURN. NO.	ACTUAL TEMP °F	TIME IN	TIME AT HEAT	TIME OUT	ATMOS. DEWPOINT	Q-MEDIA & TEMP.	AS QUENCH HARD	OPERATOR & DATE
DEGR WI-11											JUAN M. MEJ 03/01/14
PREHEAT	1100°	0:30	V5	1100°	1:05	2:25	3:05	VAC	RAISE		JUAN M. MEJ 03/01/14
ALLOW 20 MINUTES HEAT UP TIME											JUAN M. MEJ 03/01/14
SOLUTION	1800°	1:00	V5	1800°	3:05	5:00	6:05	VAC	OIL		JUAN M. MEJ 03/01/14
DEGREASE											JUAN M. MEJ 03/01/14
ATTACH LOAD THERMOCOUPLE											LUIS LEANOS 03/01/14
AGE	1325°	16:00	V1	1325°	11:15	14:30	6:35	VAC	G/F/C		LUIS LEANOS 03/02/14
SAMPLE HARDNESS TEST 13 PCS AND RECORDED:											PAUL BARRAN 03/03/14

SPECIAL INST.

CERT; JN
RAN IN 2 LOADS
QTY TESTED: 6, 7 PCS

TEST RESULTS 30-32 HRC

INSPECTOR: PAUL BARRANCO

QTY TESTED 13 NO. ACC. 26740 NO. REJ. 0

BURBANK STEEL TREATING, INC.

03/03/14

By AUTHORIZED SIGNATURE

JIM PREWITT, QUALITY CONTROL PLANNER



ISO 9001:2008
AS 9100
CERTIFIED

FORM 7.5-2 Rev. B
Issue Date: 9-11-11

Quality Control Plating Inc.

4425 E. Airport Drive, #113
Ontario, CA 91761

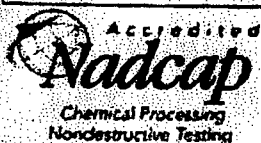
phone (809) 605-0206 fax (809) 605-0206

Certification Report

Date	S.O. No.
4/25/2014	172752

Name / Address
B & B SPECIALTIES, INC. GS AEROSPACE 4321 E. LA PALMA AVENUE ANAHEIM, CA 92807

Ship To
B & B SPECIALTIES, INC. GS AEROSPACE 4321 E. LA PALMA AVENUE ANAHEIM, CA 92807




Description	P.O. No.	Ship Via	MATERIAL
	106872D	QCP Truck	A286
	Pieces/Weight	Items Billed	
A2LFS10321997HRJTLTMDT8 MFG# 106872 DWG: CB10826 REV.9 PASSIVATE PER AMS-2700 REV.E METHOD 1 TY 2 CL 1 SALT SPRAY (FOG) TEST (13 PCS) ACC: 13 PCS REJ: 6 PCS EPA CHARGES	26,500PCS/407LBS	407 1 1	

B & B By: 
Reviewed Date: 4/29/14

THE PURCHASER AGREES THAT IN THE EVENT THEY FAIL TO PAY THEIR ACCOUNT AND THE MATTER IS REFERRED TO AN ATTORNEY TO ENFORCE PAYMENT; THEY WILL, IN ADDITION TO THE SUM DUE, PAY A REASONABLE ATTORNEY'S FEE AS WELL AS ANY COURT COSTS INCURRED DURING THE PROCESS OF ENFORCEMENT OF THE AFOREMENTIONED AGREEMENT. PARTS ARE PROCESSED IN A MERCURY FREE ENVIRONMENT.

*QCP'S MAXIMUM LIABILITY WILL BE THE AMOUNT OF THIS INVOICE. QUALITY CONTROL PLATING HEREBY CERTIFIES THAT THE PARTS INDICATED ABOVE HAVE BEEN PROCESSED IN ACCORDANCE WITH ALL APPLICABLE SPECIFICATION, BLUE PRINTS AND/OR CUSTOMER PURCHASE ORDER REQUIREMENTS. INSPECTIONS AND APPLICABLE RECORDS ARE ON FILE AND AVAILABLE FOR REVIEW. ANY DISCREPANCY MUST BE REPORTED WITHIN 24 HOURS

CERTIFIED BY: 
Delia Ramirez
Q.C. Inspector


RECEIVED: X _____

NAME / TITLE: _____

DATE: 04-28-14

SUBJECT TO CONDITIONS OF LIABILITY ON PACKING SLIP

SHIPPER / CERTIFICATION

CLICK BOND, INC., Q.A. DEPARTMENT
This certification has been reviewed and accepted:
Date: 5-22-14
Purchase Order No. 70045987
Q.A. Rep: 
Page 11 OF 11

Torque and Tensile

QA NUMBER	QA44166	PRODUCT LOT #	50199637
TEST SPECIFICATION	A366A3E30C	PART NUMBER	4000E3CR30
PASS/FAIL	PASS	TEST ADHESIVE	CB359-50
TEST DATE	1/6/2016	ADHESIVE LOT #	70058303C

DESCRIPTION	PART NUMBER	LOT NUMBER
Stud	CB10926CRA3B30	70045987
Washer	CB11131CR3B	70050115-A
Fiberglass/Epoxy 350	350 GLASS/EPOXY	70052484

TENSILE (lb force) REQ 396.8

TEST #	RESULT	FAILURE MODE
1	1029.9	FIBERGLASS/EPOXY
2	1062.3	FIBERGLASS/EPOXY
3	1014.8	FIBERGLASS/EPOXY
4	1017.6	FIBERGLASS/EPOXY
5	670.3	FIBERGLASS/EPOXY
Avg.	959.0	

TORQUE (in-lb) REQ 49.6

TEST #	RESULT	FAILURE MODE
1	61.0	NONE
2	61.0	NONE
3	61.0	NONE
4	61.0	NONE
5	61.0	NONE
Avg.	61.0	

TESTED BY P. ADAMS

REVIEWED BY

Victoria Negrete

Digitally signed by Victoria Negrete-Mendoza
 DN: cn=Victoria Negrete-Mendoza,
 o=Clickbond Inc., ou=QA,
 email=vmendoza@clickbond.com, c=US
 Date: 2016.01.21 09:02:53 -08'00'

DATE